

Title (en)

Reactive power compensator comprising N inverters in parallel, N banks of capacitor(s) and a means for connecting the banks via passive electrical components

Title (de)

Reaktionsenergiekompensator, der n Parallel-Wechselrichter, n Kondensatorbänke und Anschlussmittel für die Kondensatorbänke über passive elektrische Komponenten umfasst

Title (fr)

Compensateur d'énergie réactive comprenant N onduleurs en parallèle, N bancs de condensateur(s) et des moyens de connexion des bancs au travers de composants électriques passifs

Publication

**EP 2562903 B1 20160810 (FR)**

Application

**EP 12181266 A 20120821**

Priority

FR 1157528 A 20110825

Abstract (en)

[origin: EP2562903A2] The compensator (10) has electric terminals (12) connected with an electric alternating current network (11). Bidirectional voltage inverters (16) are parallelly connected with each other and connected to corresponding capacitors (14), and convert direct current into alternative current. A first input terminal (26) and a second input terminal (28) of each inverter are connected to the corresponding capacitors. A capacitor voltage balancing device (18) comprises a unit (32) for electrically connecting the first input terminal of the inverters to resistors (36). One of the resistors is connected in series with an electromagnetic reel.

IPC 8 full level

**H02J 3/18** (2006.01); **H02M 7/487** (2007.01); **H02M 7/537** (2006.01)

CPC (source: EP US)

**H02J 3/1842** (2013.01 - EP US); **H02M 7/487** (2013.01 - EP US); **H02M 7/537** (2013.01 - US); **Y02E 40/20** (2013.01 - EP US)

Cited by

CN110676836A; EP2811633A3; US9515484B2; US10424935B2; US11271405B2

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DOCDB simple family (publication)

**EP 2562903 A2 20130227**; **EP 2562903 A3 20150408**; **EP 2562903 B1 20160810**; FR 2979493 A1 20130301; FR 2979493 B1 20130913; US 2013188406 A1 20130725; US 8976557 B2 20150310

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